



CHRYSLER



November 8, 2007

Mr. Daniel Smith  
Associate Administrator, Safety Assurance  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, D.C. 20590

Dear Mr. Smith:

Reference: NHTSA Identification Number 07V-473

Enclosed are representative copies of communications relating to the 2007 and 2008 model year vehicles involved in the referenced recall. Chrysler expects to notify dealers during the week of November 12, 2007 and to begin owner notification during the week of November 19, 2007. The exact number of manufactured vehicles in the recall is 101,905.

The involved Vehicle Identification Number range is:

<u>Low</u>	<u>High</u>
7N500001	7N696327
8N100003	8N696792

(VIN last eight characters) - 7 = 2007 model year; 8 = 2008 model year; N = Sterling Heights Assembly Plant, Sterling Heights, Michigan; and the last six digits = sequential number.

**We caution that the above range represents only the lowest and highest VIN sequential numbers included in the recall. This range cannot be used to determine conclusively that a vehicle is involved in the recall because most vehicles with a VIN within the range are not affected by the recall.**

This completes Chrysler's package of information for this recall as required by the Defects Report Regulation.

Sincerely,

Stephan J. Speth, Director  
Vehicle Compliance and Safety Affairs

Enclosure: Dealer and Owner Letter for Recall G39

cc: K.C. DeMeter



November 2007

Dealer Service Instructions for:

## **Safety Recall G39**

### **Radiator Fan Motor Connector**

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#### **Models**

2007 - 2008 (JS) Chrysler Sebring and Dodge Avenger

*NOTE: This recall applies only to the above vehicles equipped with a 2.4L engine ("K" in the 8<sup>th</sup> VIN Position) built through July 27, 2007 (MDH 072705).*

*IMPORTANT: Some of the vehicles within the above build period have already been repaired and, therefore, have been excluded from this recall.*

**IMPORTANT: Some of the involved vehicles may be in dealer new vehicle inventory. Federal law requires you to complete this recall service on these vehicles before retail delivery.** Dealers should also consider this requirement to apply to used vehicle inventory and should perform this recall on vehicles in for service. Involved vehicles can be determined by using the VIP inquiry process.

#### **Subject**

Engine coolant may be drawn into the left radiator cooling fan motor connector on about 101,900 of the above vehicles. This can cause an electrical short circuit and result in an engine compartment fire.

#### **Repair**

A left side radiator cooling fan motor wire overlay harness must be installed on all vehicles. The left radiator cooling fan motor connector must also be inspected for damage. Vehicles found with a damaged radiator cooling fan motor connector must also have the fan motor replaced.

**Alternate Transportation**

Dealers should attempt to minimize customer inconvenience by placing the owner in a loaner vehicle if inspection determines that radiator fan motor replacement is required and the vehicle must be held overnight.

**Parts Information****A. Wiring Overlay Package**

<u>Part Number</u>	<u>Description</u>
<b>CBLAG391</b>	<b>Wiring Overlay Package</b>

Each package contains the following components:

<u>Quantity</u>	<u>Description</u>
1	Overlay, Wiring
1	Bolt, Ground
8	Strap, Plastic Tie

**Each dealer** to whom vehicles in the recall were assigned will receive enough Wiring Overlay Packages to service about 10% of those vehicles.

**B. Radiator Fan Motor**

<u>Part Number</u>	<u>Description</u>
<b>CBLAG392</b>	<b>Radiator Fan Motor</b>

**NOTE:** Radiator fan motors should only be ordered after the inspection determines that replacement is required. Very few vehicles are expected to require fan motor replacement.

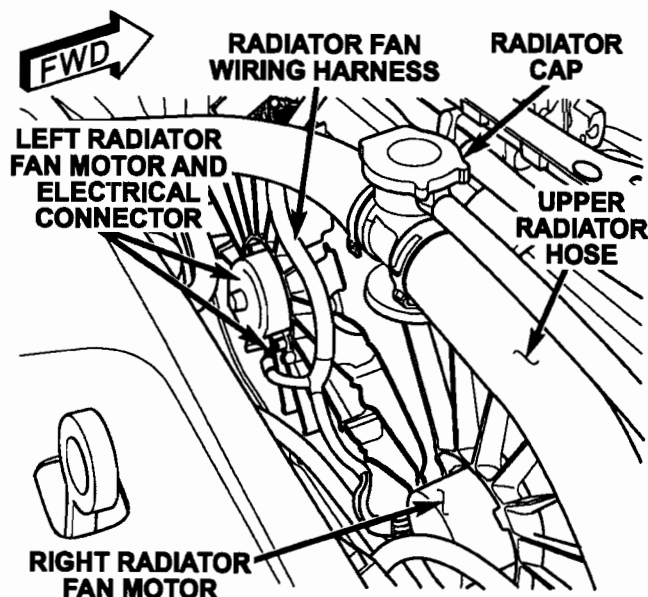
**Service Procedure**

1. Open the hood.

2. Disconnect the negative battery cable.

**NOTE:** To enhance customer satisfaction, remember to reset the clock when you have completed the service procedure

3. Disconnect the left (driver's side) radiator fan motor electrical connector at the fan motor (Figure 1).



**Figure 1**

4. Inspect the radiator cooling fan motor connector:

- If the radiator cooling fan motor connector **is melted or the motor terminal is discolored from overheating**, replace the left radiator fan motor. Continue with Step 5 of this procedure.
- If the radiator cooling fan motor connector **is NOT melted and the motor terminal is NOT discolored from overheating, but engine coolant is found** in the motor side of the connector, clean out the coolant using Mopar Electrical Contact Cleaner (P/N 05018045AA) or equivalent. Continue with Step 6 of this procedure.
- If the radiator cooling fan connector **is NOT melted, the motor terminal is NOT discolored from overheating** and there is **no engine coolant found** in the motor side of the connector, continue with Step 6 of this procedure.

**Service Procedure (Continued)**

5. Use the following procedure to replace the left radiator fan motor:

a. Remove the air filter housing air inlet snorkel.

b. Remove the grill from the front fascia.

**NOTE:** There are four clips that hold the bottom of the grill to the fascia. Carefully pull upward on the grill to disengage the clips.

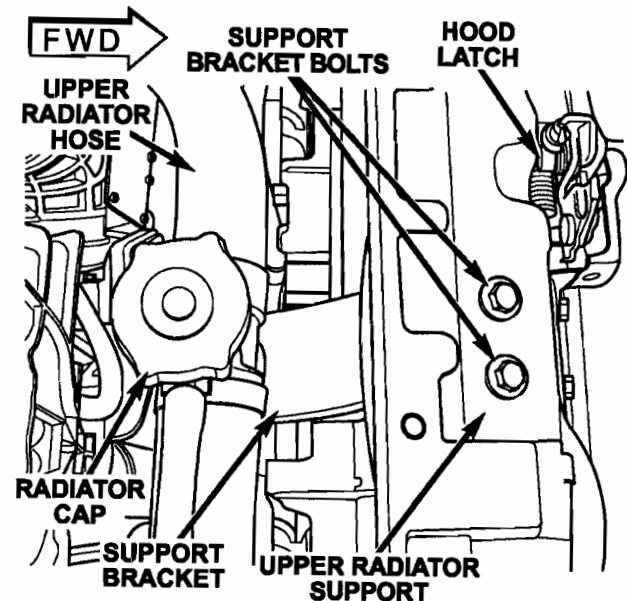


Figure 2

c. Remove the upper hose filler neck support bracket bolts (Figure 2).

d. Unfasten the large white wiring connector from the fan shroud (Figure 8).

e. Disconnect the wiring to the right radiator cooling fan motor.

f. Unclip the fan motor wiring harness from the fan shroud.

g. Remove the six (6) mounting screws that hold the wiring harness to the upper radiator support (Figure 3).

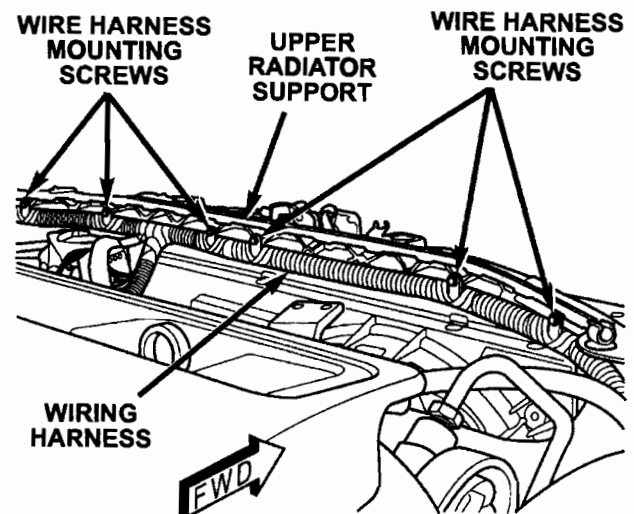
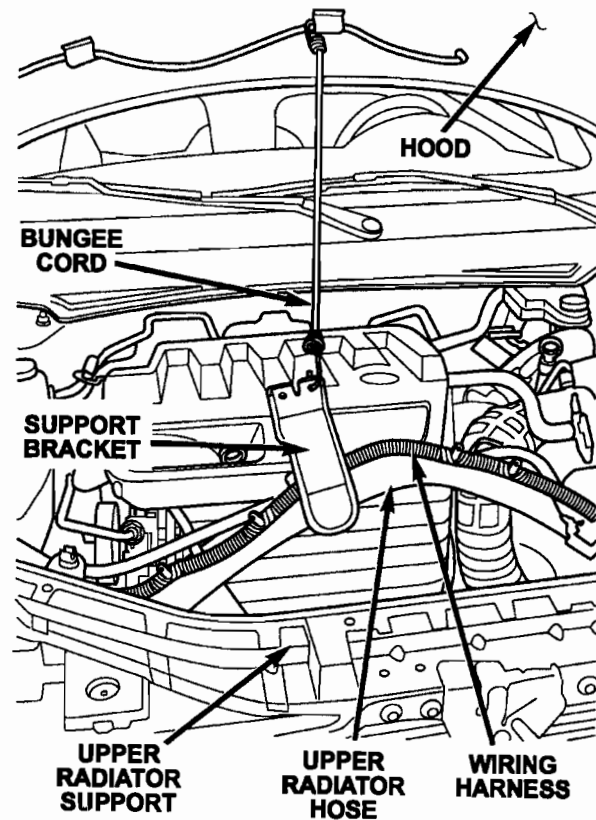


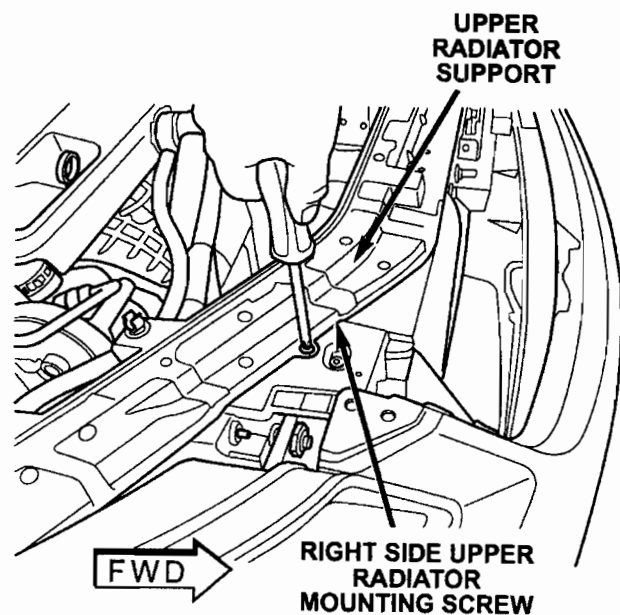
Figure 3

**Service Procedure (Continued)**

- h. Temporarily relocate the wiring harness and upper hose filler neck support bracket using a bungee cord or equivalent (Figure 4).

**Figure 4**

- i. Remove the right and left upper radiator mounting screws (Figure 5).

**Figure 5 - Right Side Shown**

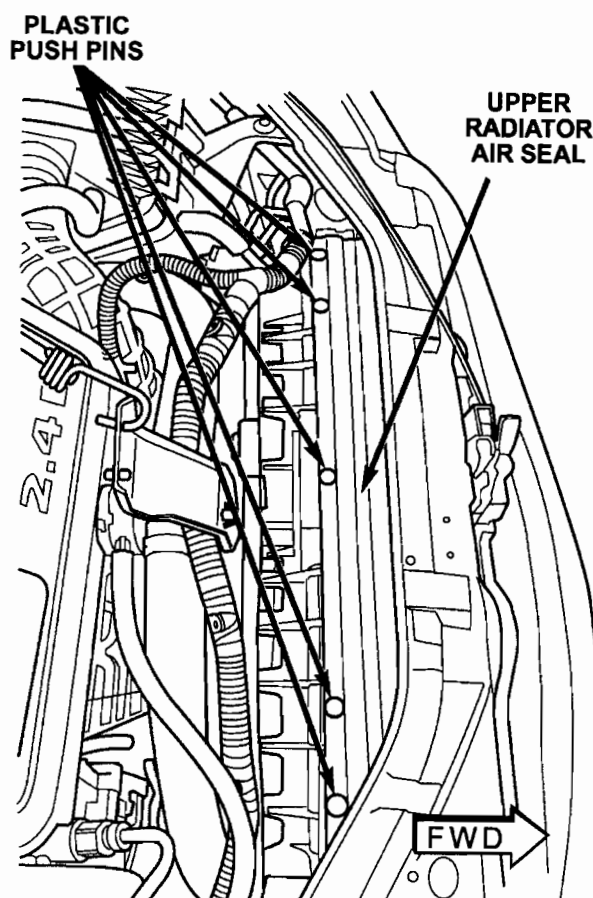
**Service Procedure (Continued)**

- j. Lean the cooling module rearward and remove the five (5) plastic push pins from the upper radiator air seal (Figure 6).
- k. Remove the upper radiator air seal from the radiator.
- l. Unclip the radiator fan module from the radiator assembly.
- m. Carefully remove the radiator fan and shroud assembly from the vehicle.
- n. Remove and discard the radiator fan retaining nut from the left radiator cooling fan.

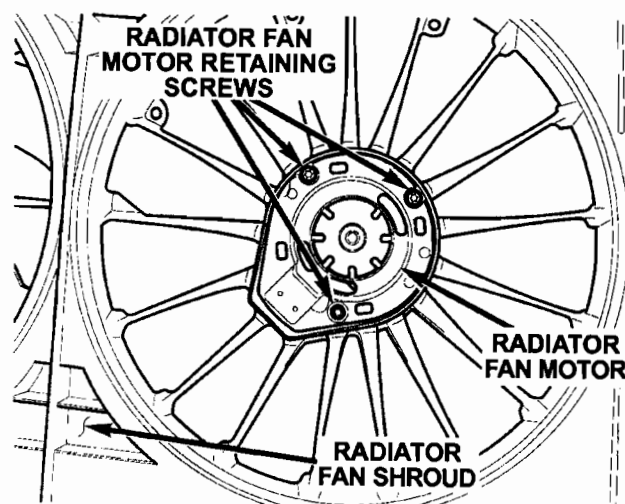
**CAUTION: The radiator cooling fan retaining nut has left-handed threads.**

- o. Remove the radiator cooling fan from the fan motor.
- p. Remove and discard the three (3) radiator fan motor retaining screws (Figure 7).
- q. Remove and discard the old fan motor from the radiator fan shroud.
- r. Install the new fan motor into position in the fan shroud.
- s. Install the three (3) new radiator fan motor retaining screws. Tighten the screws to 45 in. lbs. (5 N·m).
- t. Install the fan onto the new fan motor.
- u. Install the new fan retaining nut and tighten to 53 in. lbs. (6 N·m).

**CAUTION: The radiator cooling fan retaining nut has left-handed threads.**



**Figure 6**



**Figure 7**

**Service Procedure (Continued)**

- v. Carefully place the radiator fan and shroud assembly into the vehicle and clip the radiator fan and shroud assembly to the radiator.

**CAUTION: Be sure that all four radiator fan shroud clips are engaged.**

- w. Install the upper radiator air seal using the five (5) push pins removed earlier in this procedure (Figure 6).
  - x. Place the radiator assembly in position and install the right and left upper radiator mounting screws (Figure 5).
  - y. Remove the bungee cord, place the core support wiring harness in position and install the six (6) wiring harness retaining screws (Figure 3). Tighten the screws to 18 in. lbs. (2 N·m).
  - z. Install the large white connector to the radiator fan shroud (Figure 8).
  - aa. Connect the right fan motor electrical connector to the right fan motor receptacle.
  - ab. Secure the radiator fan wiring harness to the fan shroud using the existing harness clips.
  - ac. Place the upper hose filler neck support bracket into position and install the retaining bolts. Tighten the bolts to 45 in. lbs. (5 N·m).
  - ad. Install the front fascia grill.
  - ae. Continue with Step 7 of this procedure.
6. Remove the air filter housing air inlet snorkel.
7. Disconnect the four-way gray electrical connector located on the radiator shroud, in front of the air filter housing (Figure 8).

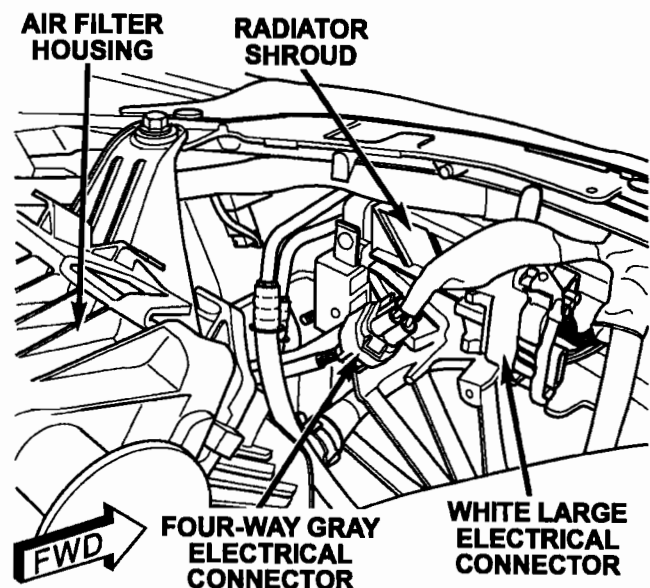
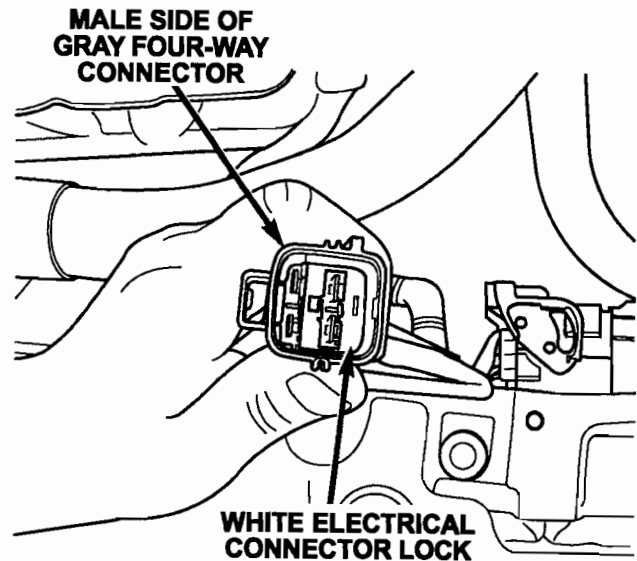
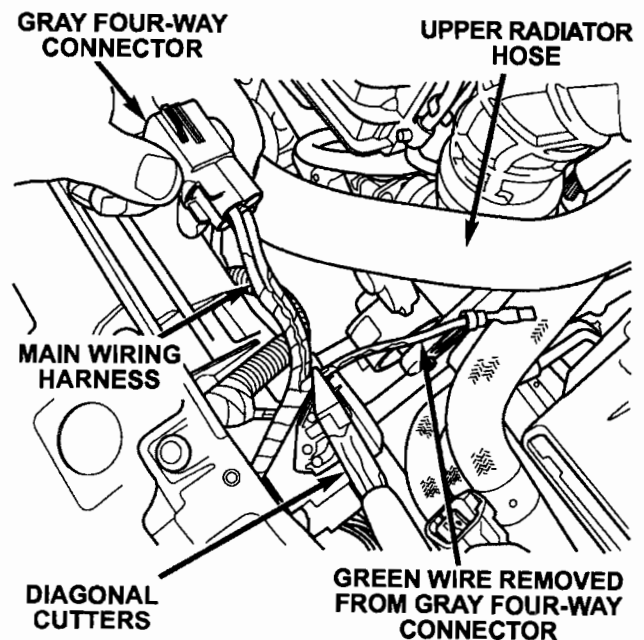


Figure 8



**Service Procedure (Continued)**

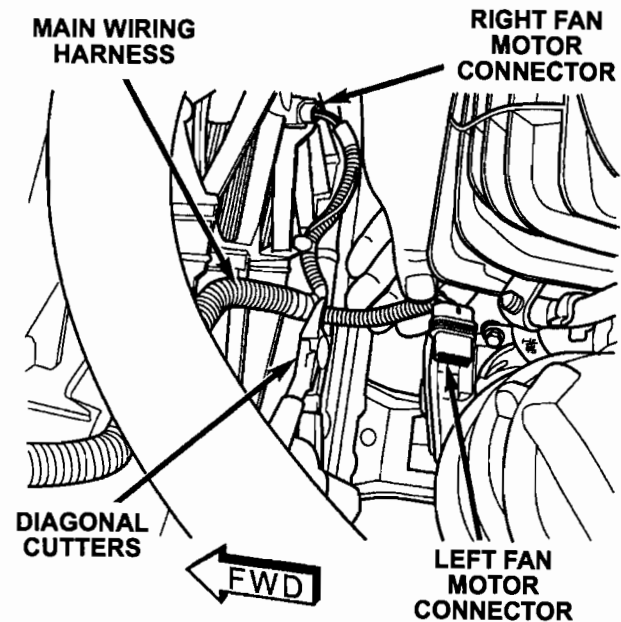
8. Remove the white electrical connector lock from the inside of the gray four-way male connector (Figure 9).
9. Using a small screwdriver or pick, pry upward on the terminal release tab located inside the connector to remove the green wire/terminal from the gray four-way connector.
10. Using diagonal cutters, cut off the green wire that was removed from the gray four-way connector flush to the main wiring harness (Figure 10).
11. Wrap the main wiring harness with electrical tape where the green wire was cut off.

**Figure 9****Figure 10**

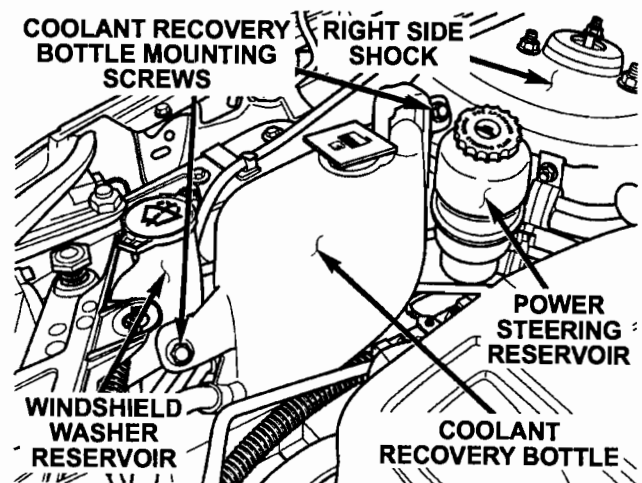
**Service Procedure (Continued)**

12. Using diagonal cutters, cut off the **left** (driver's side) radiator fan connector wires flush to the main wiring harness (Figure 11).
13. Wrap the main wiring harness with electrical tape where the radiator fan connector wires were cut off.
14. Plug the overlay harness radiator fan connector into the fan motor receptacle.
15. Route the overlay harness along the existing fan main wiring harness upwards toward the radiator core support (Figure 11).
16. Insert the green wire of the overlay harness into the open cavity of the gray four-way connector (Figure 10).
17. Insert the white wire lock into the gray four-way connector (Figure 9).
18. Connect the gray four-way connector to the main harness (Figure 8).
19. Route the overlay harness black ground wire along the existing wiring harness located along the radiator core support (Figure 3).
20. Remove the coolant overflow bottle retaining screws and set the coolant bottle aside to gain access to the radiator fan ground stud (Figure 12).

**NOTE: Do not disconnect the overflow hose from the radiator.**



**Figure 11**



**Figure 12**

**Service Procedure (Continued)**

21. Remove the ground stud wire retaining nut located on the right inner fender panel (Figure 13).

22. Remove the fan ground wire/eyelet harness from the stud and reinstall the ground stud wire retaining nut.

**NOTE:** Some vehicles may have a second small black single ground wire attached to the ground stud. This ground wire must remain on the original ground stud.

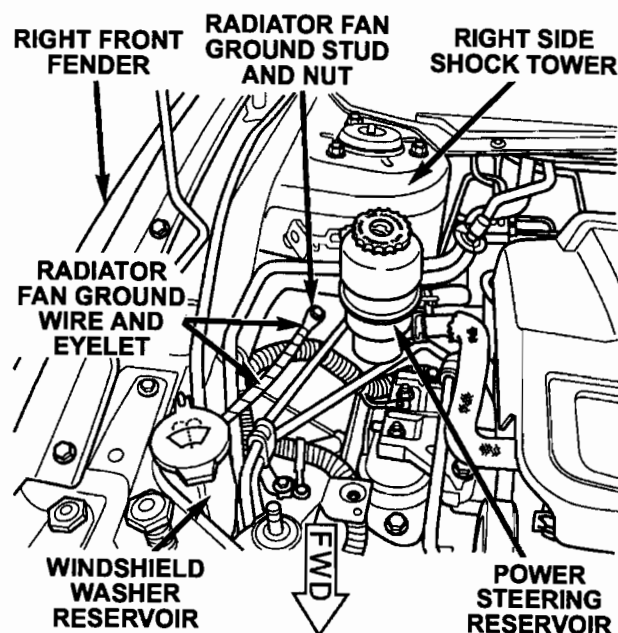


Figure 13

23. Clean any residual engine coolant that may be on the fan ground wire eyelet.

24. Using a small round file, enlarge the ground eyelet hole until the ground bolt shank provided in the repair package can easily pass through the eyelet hole (Figure 14).

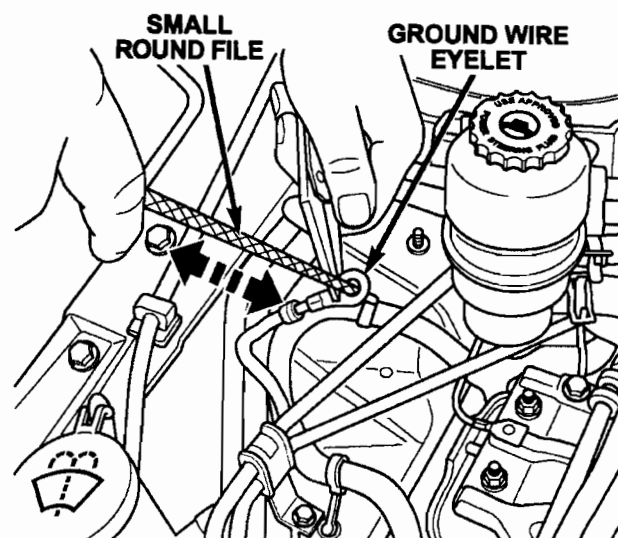
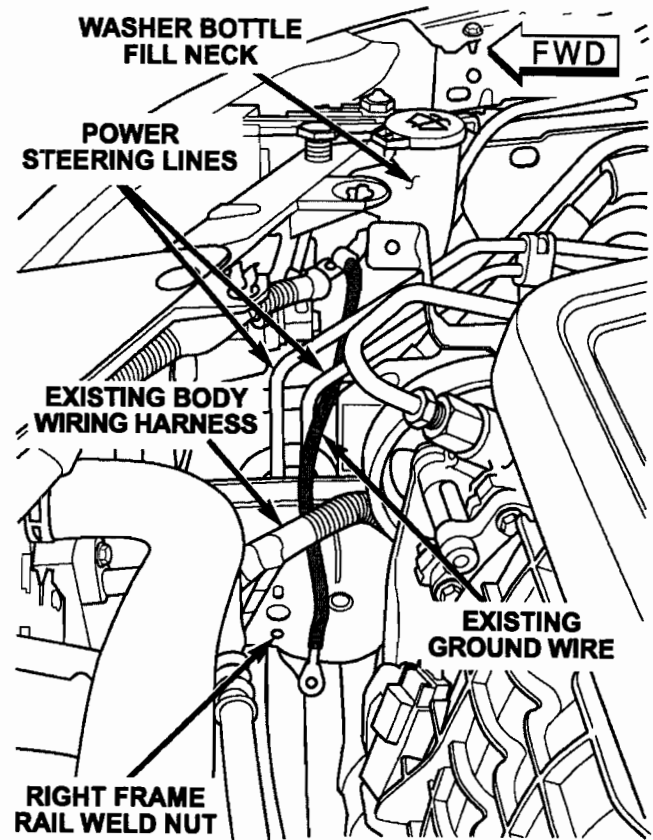


Figure 14

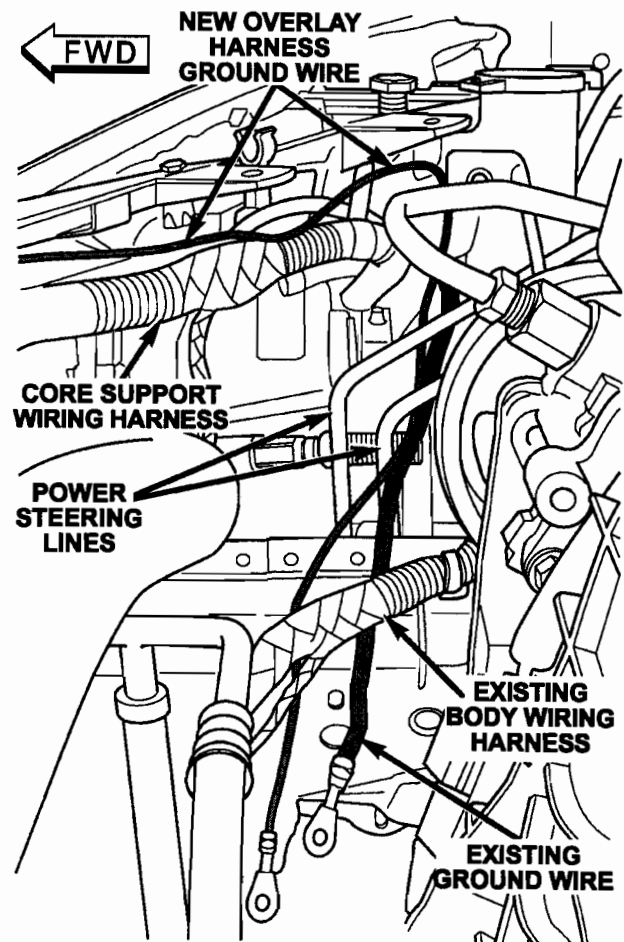
**Service Procedure (Continued)**

25. Reroute the existing ground wire so that it routes:
- Forward of the washer bottle fill neck (Figure 15).
  - Between the power steering lines and the inner fender panel.
  - Under the existing body wiring harness at the frame rail to the right frame rail weld nut.

**Figure 15**

**Service Procedure (Continued)**

26. Route the new fan overlay harness ground wire so that it routes:
- Along the radiator core support wiring harness (Figure 16).
  - Down from the core support towards the power steering lines.
  - Between the power steering lines and inner fender panel.
  - Under the existing body wiring harness at the frame rail to the right frame rail weld nut.

**Figure 16**

**Service Procedure (Continued)**

27. Using the bolt provided in the repair package, insert the bolt through the existing ground eyelet first and then through the overlay harness eyelet (Figure 17).

**CAUTION:** The ground eyelet from the overlay harness must be against the frame rail to allow the teeth on the eyelet to bite into the frame rail.

28. Screw the bolt (with the eyelets attached as described in step 27) into the weld nut located on the right frame rail (Figure 17). The eyelets must be clocked at the 10 o'clock and 2 o'clock positions before tightening. Tighten the bolt to 168 in. lbs. (19 N·m).

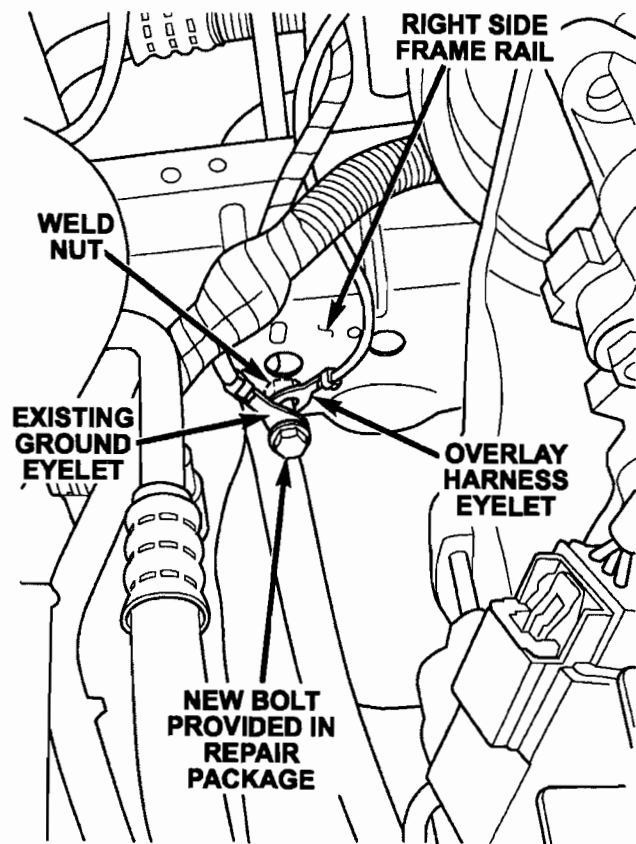


Figure 17

29. Using the tie straps provided, tie strap the overlay harness to the main harness.

**CAUTION:** Be sure to secure the overlay harness away from all moving parts and sharp edges.

30. Place the coolant bottle back into its original position and install the fasteners. Tighten the fasteners to 53 in. lbs. (6 N·m).

**NOTE:** Make sure that the coolant bottle locator pin is in the locating hole.

31. Install the air filter housing air inlet snorkel.
32. Connect the negative battery cable.

**Completion Reporting and Reimbursement**

Claims for vehicles that have been serviced must be submitted on the DealerCONNECT Claim Entry Screen located on the Service tab. Claims submitted will be used by Chrysler to record recall service completions and provide dealer payments.

Use one of the following labor operation numbers and time allowances:

	<b><u>Labor Operation Number</u></b>	<b><u>Time Allowance</u></b>
Inspect left radiator fan motor connector, clean out coolant from connector (if necessary) and install fan motor overlay harness	08-G3-91-82	0.5 hours
Inspect left radiator fan motor connector, replace left fan motor and install fan motor overlay harness	08-G3-91-83	0.9 hours

Add the cost of the recall parts package plus applicable dealer allowance to your claim.

NOTE: See the Warranty Administration Manual, Recall Claim Processing Section, for complete recall claim processing instructions.

**Dealer Notification**

All dealers will receive three copies of this dealer recall notification letter by mail. To view this notification on DealerCONNECT, select "Global Recall System" on the Service tab, then click on the description of this notification.

**Owner Notification and Service Scheduling**

All involved vehicle owners known to Chrysler are being notified of the service requirement by first class mail. They are requested to schedule appointments for this service with their dealers. A generic copy of the owner letter is attached.

Enclosed with each owner letter is an Owner Notification postcard to allow owners to update our records if applicable.

Dealers are encouraged to consider alternative scheduling and servicing approaches for this recall. This repair does not require hoists or other full service facility special equipment and is a Chrysler Mobile Service approved repair.

**Vehicle Lists, Global Recall System, VIP and Dealer Follow Up**

All involved vehicles have been entered into the DealerCONNECT Global Recall System (GRS) and Vehicle Information Plus (VIP) for dealer inquiry as needed.

GRS provides involved dealers with an updated VIN list of their incomplete vehicles. The owner's name, address and phone number are listed if known. Completed vehicles are removed from GRS within several days of repair claim submission.

To use this system, click on the “**Service**” tab and then click on “**Global Recall System.**” Your dealer's VIN list for each recall displayed can be sorted by: those vehicles that were unsold at recall launch, those with a phone number, city, zip code, or VIN sequence.

**Dealers must perform this repair on all unsold vehicles before retail delivery.** Dealers should also use the VIN list to follow up with all owners to schedule appointments for this repair.

*Recall VIN lists may contain confidential, restricted owner name and address information that was obtained from the Department of Motor Vehicles of various states. Use of this information is permitted for this recall only and is strictly prohibited from all other use.*

**Additional Information**

If you have any questions or need assistance in completing this action, please contact your Service and Parts District Manager.

Customer Services Field Operations  
Chrysler LLC





## SAFETY RECALL G39 – RADIATOR FAN MOTOR CONNECTOR

Dear: (Name)

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Chrysler LLC has decided that a defect, which relates to motor vehicle safety, exists in some **2007 and 2008 model year Chrysler Sebring and Dodge Avenger vehicles equipped with a 2.4L engine.**

***The problem is...*** Engine coolant may be drawn into the left radiator cooling fan motor connector on your vehicle (VIN: xxxxxxxxxxxxxxxxx). This can cause an electrical short circuit and result in an engine compartment fire.

***What your dealer will do...*** Chrysler will repair your vehicle free of charge (parts and labor). To do this, your dealer will inspect the fan motor connector for damage, install a wiring harness overlay and, if necessary, replace the fan motor. The work will take about an hour to complete. However, additional time may be necessary depending on service schedules.

***What you must do to ensure your safety...*** Simply contact your dealer right away to schedule a service appointment. Ask the dealer to hold the part for your vehicle or to order it before your appointment. **Remember to bring this letter with you to your dealer.**

***If you need help...*** If you have questions or concerns which your dealer is unable to resolve, please contact Chrysler at 1-800-853-1403.

Please help us update our records, by filling out the attached prepaid postcard, if any of the conditions listed on the card apply to you or your vehicle.

If you have already experienced this condition and have paid to have it repaired, you may send your original receipts and/or other adequate proof of payment to the following address for reimbursement: Chrysler P.O. Box 4639 Oak Ridge, TN 37831, Attention: Reimbursement.

If your dealer fails or is unable to remedy this defect without charge and within a reasonable time, you may submit a written complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Ave., S.E., Washington, DC 20590, or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY 1-800-424-9153), or go to <http://www.safercar.gov>.

We're sorry for any inconvenience, but we are sincerely concerned about your safety. Thank you for your attention to this important matter.

Customer Services Field Operations  
Chrysler LLC  
Notification Code G39

*Buckle up  
for Safety!*

Note to lessors receiving this recall: Federal regulation requires that you forward this recall notice to the lessee within 10 days.